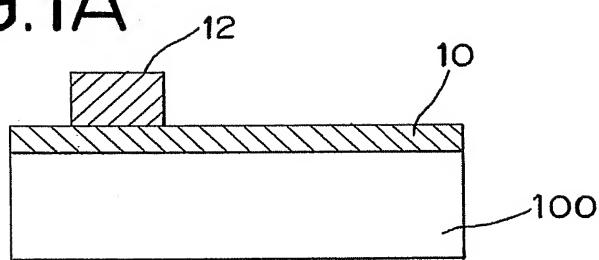
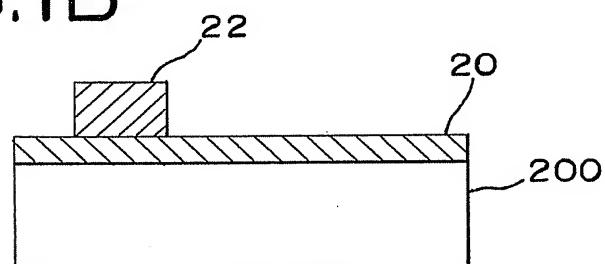
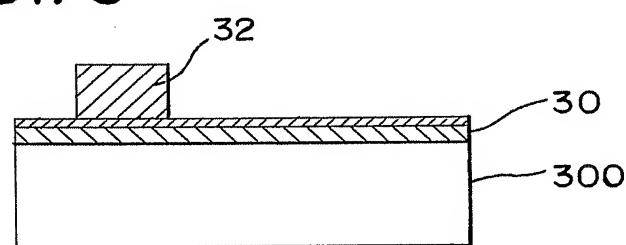
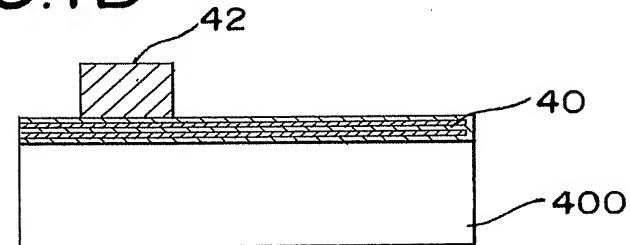
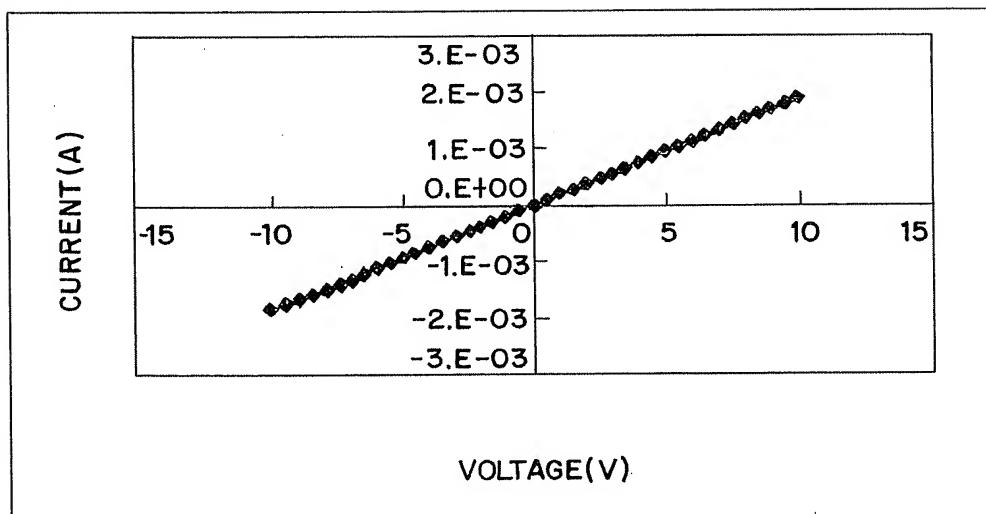
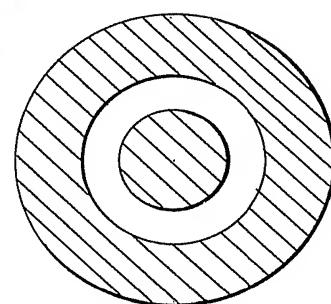


**FIG.1A****FIG.1B****FIG.1C****FIG.1D**

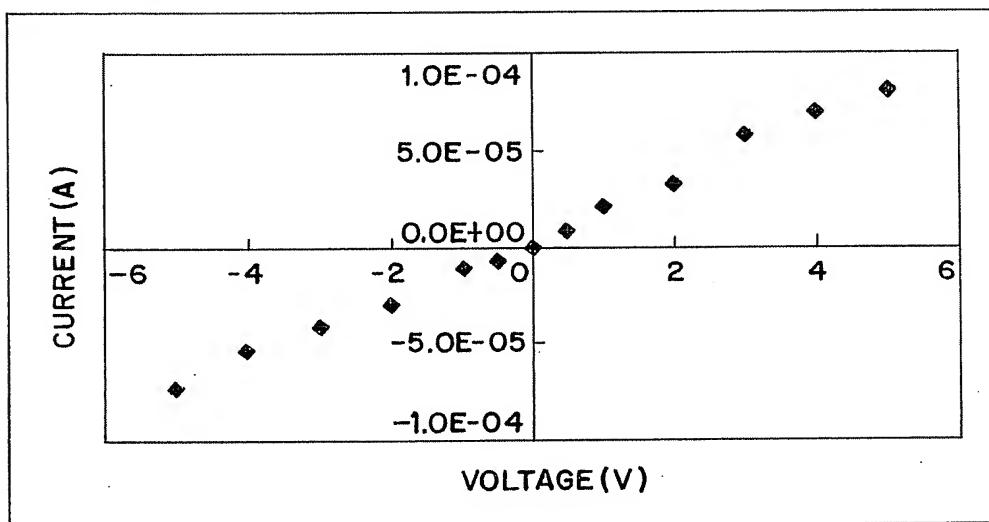
# FIG.2

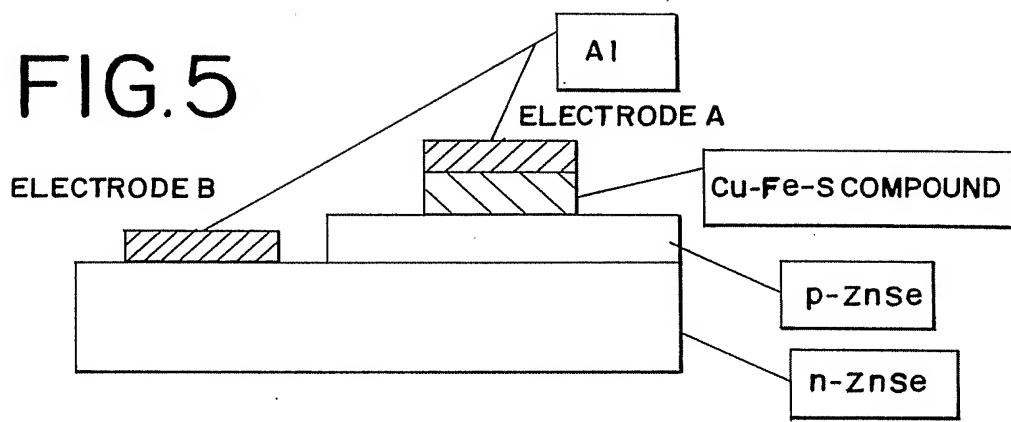
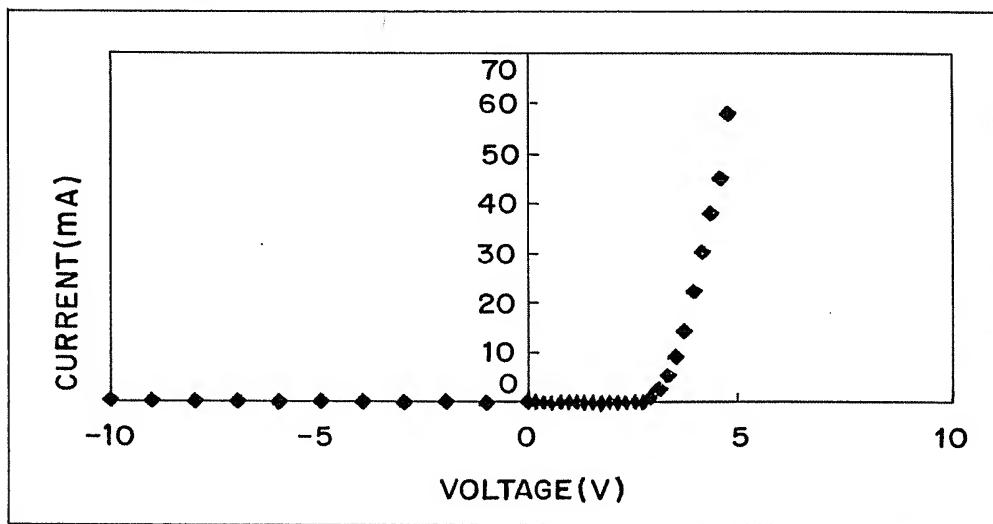
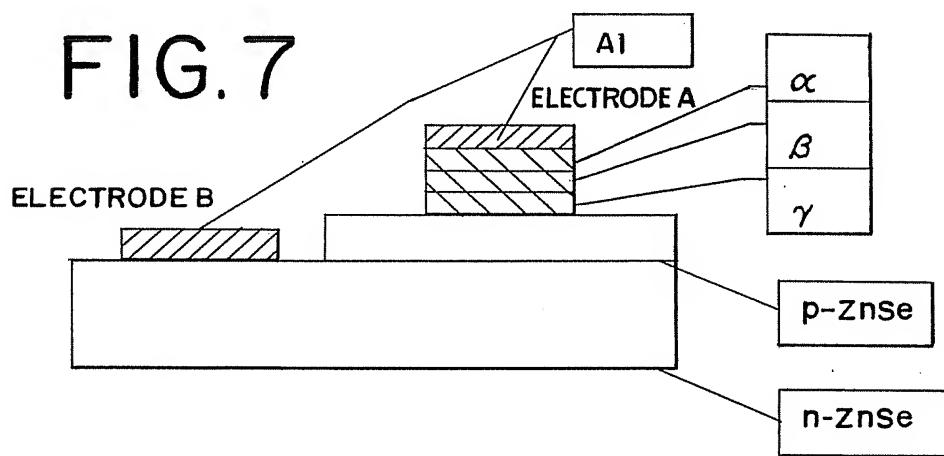


# FIG.3



# FIG.4



**FIG.5****FIG.6****FIG.7**

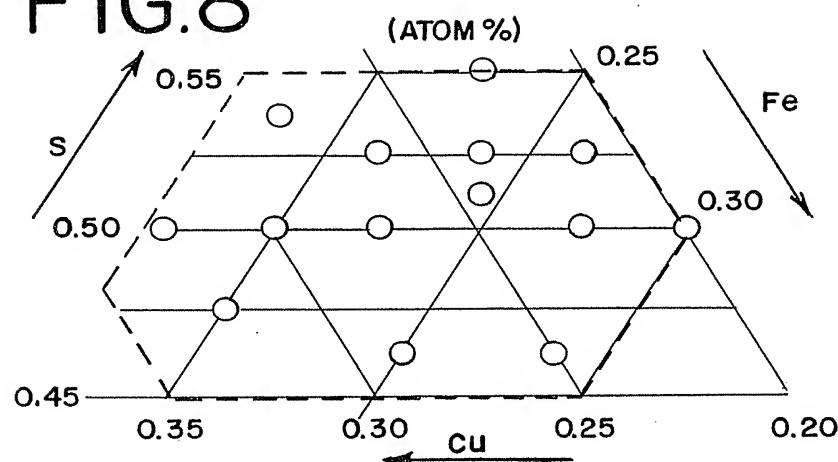
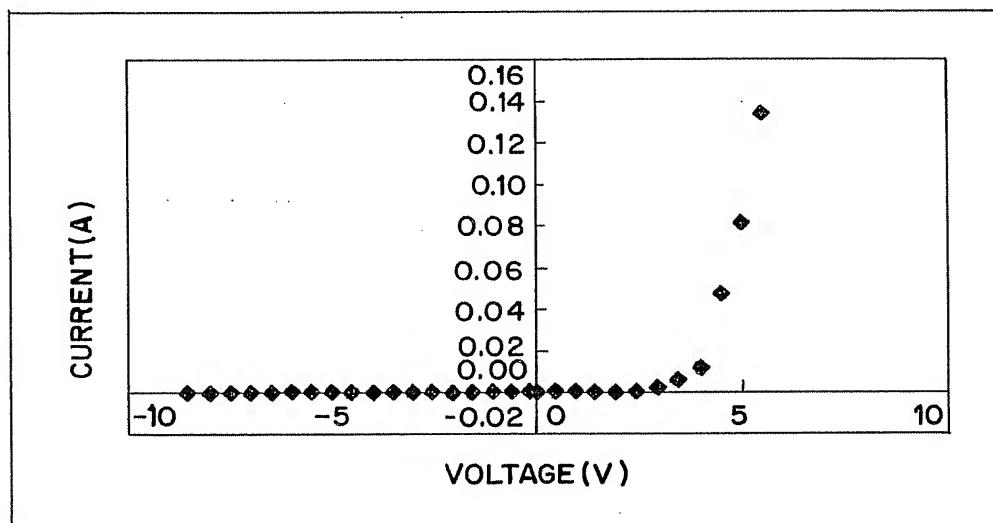
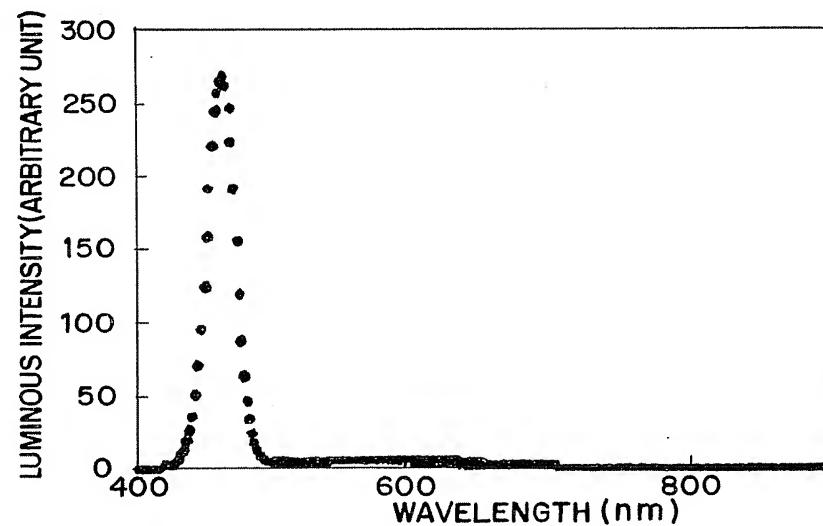
**FIG.8****FIG.9****FIG.10**

FIG.11

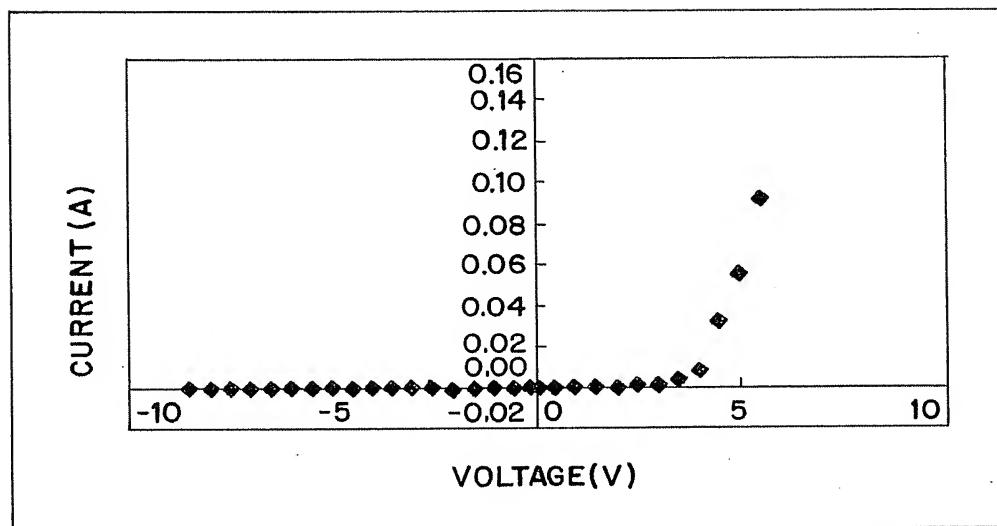
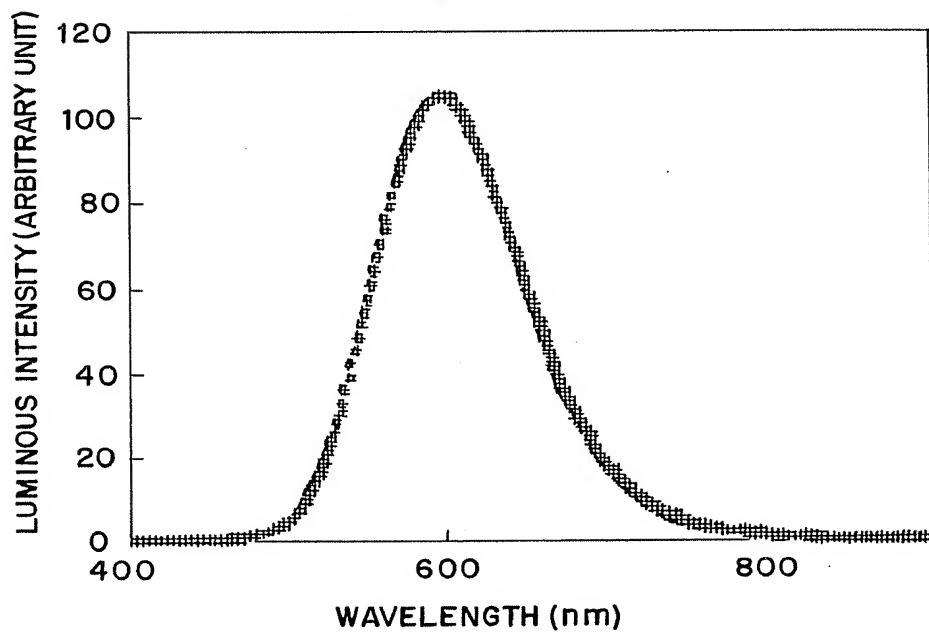
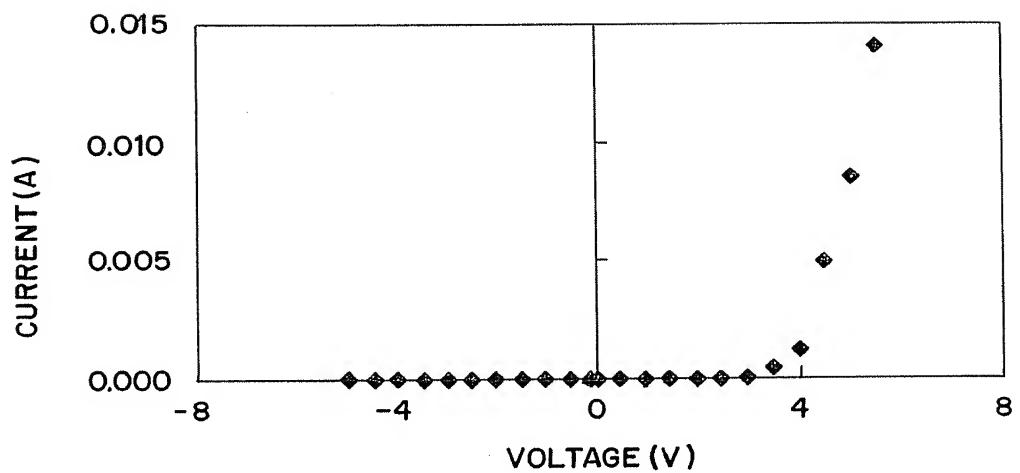
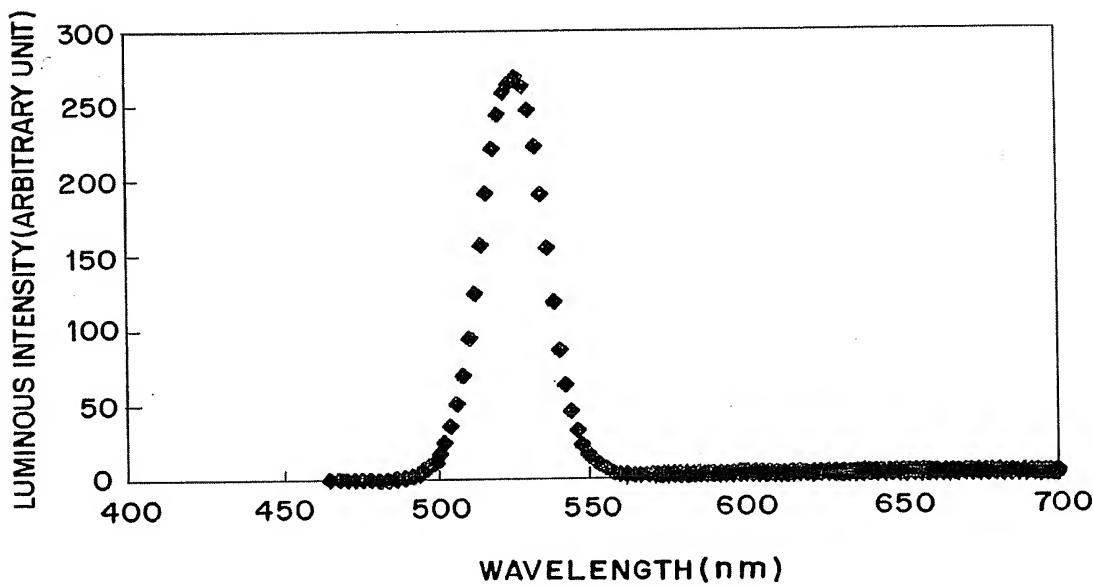
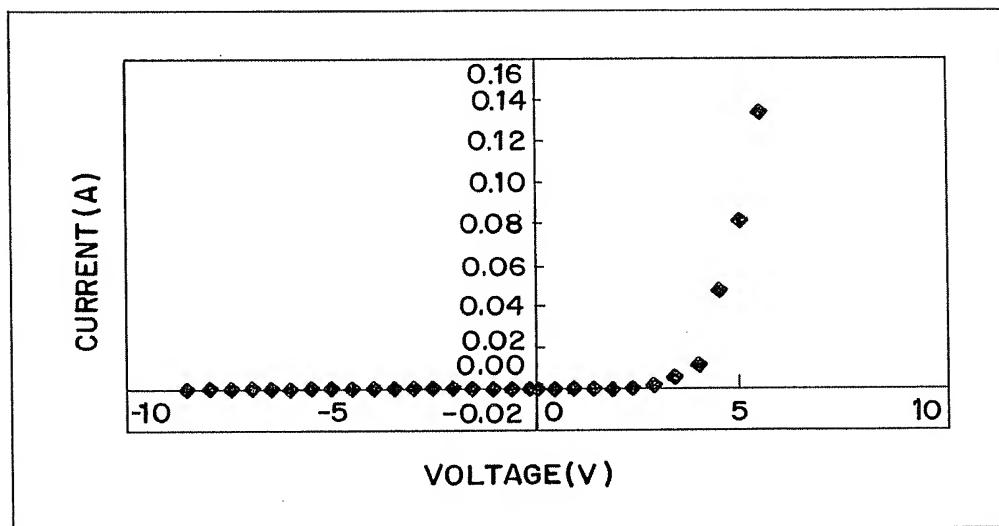
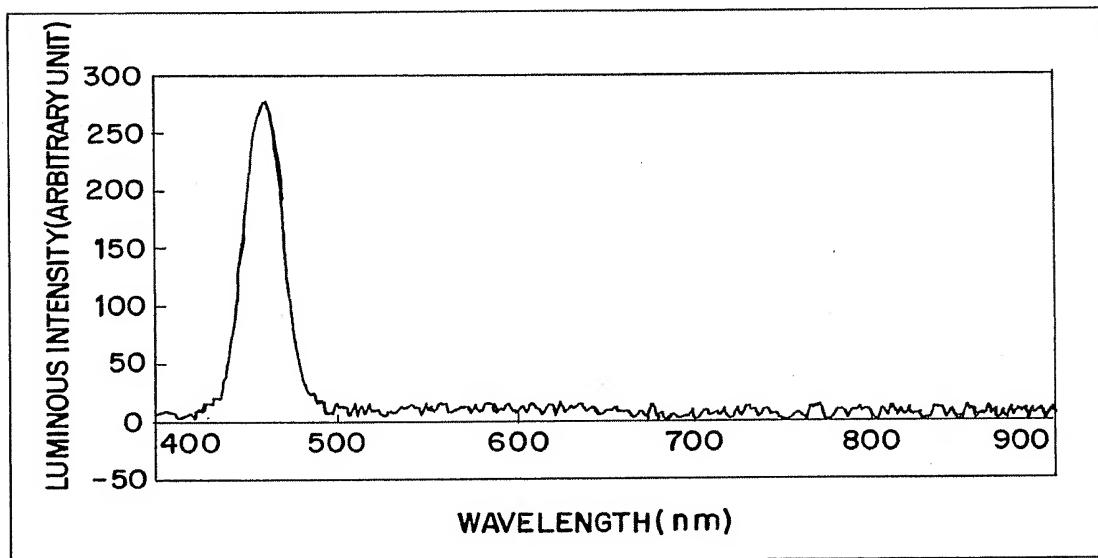


FIG.12



**FIG.13****FIG.14**

**FIG.15****FIG.16**

**FIG.17**[TABLE 1]  
(COMPOSITION IS EXPRESSED IN ATOM %)

	EXAMPLE 1	EXAMPLE 2	EXAMPLE 3	EXAMPLE 4	EXAMPLE 5	EXAMPLE 6	EXAMPLE 7	EXAMPLE 8	EXAMPLE 9	EXAMPLE 10	EXAMPLE 11	EXAMPLE 12	EXAMPLE 13	EXAMPLE 14	EXAMPLE 15
Cu	24.5	27.5	30.0	23.8	26.5	22.5	32.5	32.5	25.0	20.0	22.5	21.0	27.5	28.8	25.0
Fe	24.5	22.5	20.0	23.8	21.0	22.5	17.5	20.0	25.0	30.0	27.5	26.5	18.8	25.0	28.8
S	51.0	50.0	50.0	52.5	52.5	55.0	50.0	47.5	10.0	50.0	50.0	52.5	53.7	46.2	46.2
Se									40.0						
[TOTAL]	100.0	100.0	100.0	100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
RESISTIVITY (x10 <sup>-3</sup> Ωcm)	200	32	5.5	55	10	3.7	9	2.3	50	41	85	31	7	30	45

**FIG.18**

[TABLE 2]

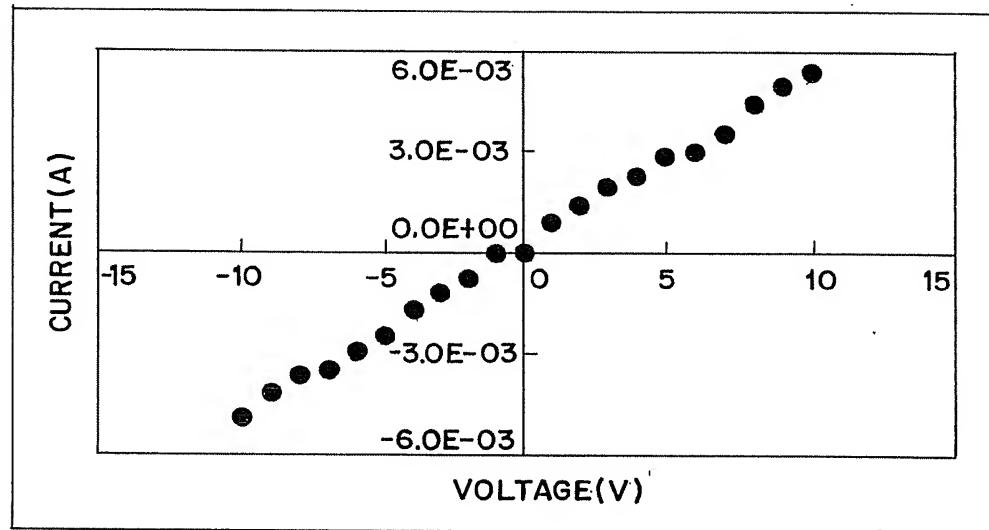
	EXAMPLE 6	EXAMPLE 7	EXAMPLE 8
Cu	22.0	27.5	27.5
Ag	5.5		
(GROUP 1 ELEMENT TOTAL AMOUNT)	27.5	27.5	27.5
Fe	22.5	20.0	20.5
Co		2.5	
Ni			2.0
(GROUP 8 ELEMENT TOTAL AMOUNT)	22.5	22.5	22.5
S	50.0	50.0	50.0
Se			
[TOTAL]	100.0	100.0	100.0
RESISTIVITY(x10 <sup>-3</sup> Ω cm)		3000	1500
RESISTIVITY(x10 <sup>-3</sup> Ω cm)	52	43	48

**FIG.19**

[TABLE 3]

	REFERENCE EXAMPLE 1	REFERENCE EXAMPLE 2	REFERENCE EXAMPLE 3
Cu			
Fe			40.0
Co			20.0
Ni			20.0
S		45.0	60.0
[TOTAL]		100.0	100.0
RESISTIVITY(x10 <sup>-3</sup> Ω cm)		3000	1500
RESISTIVITY(x10 <sup>-3</sup> Ω cm)		2010	

# FIG.20



# FIG.21

